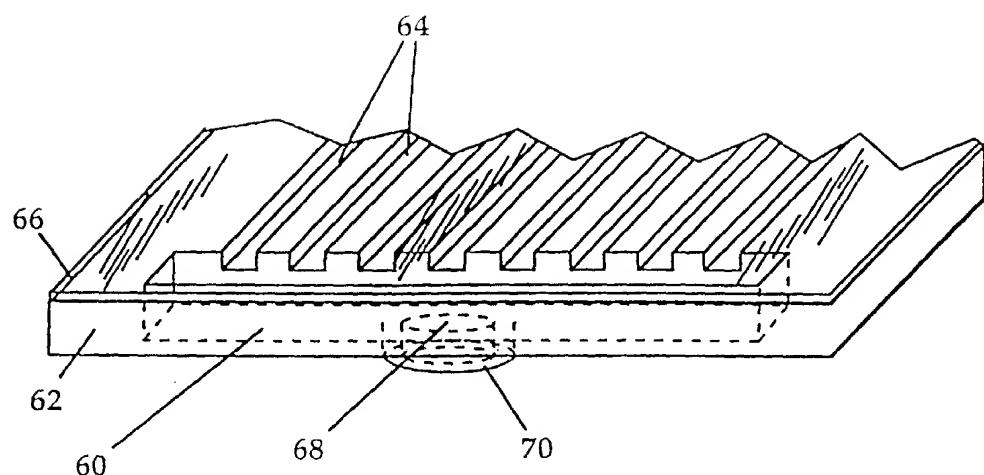
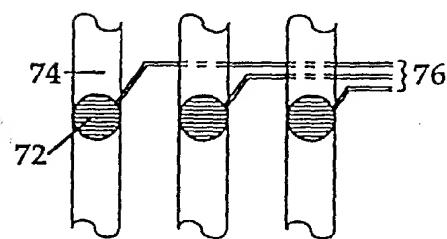


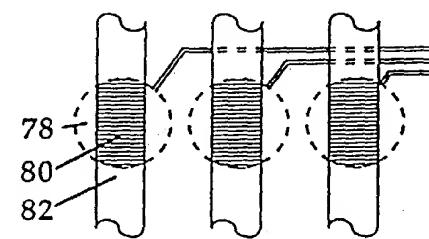
48 Fig. 1  
24



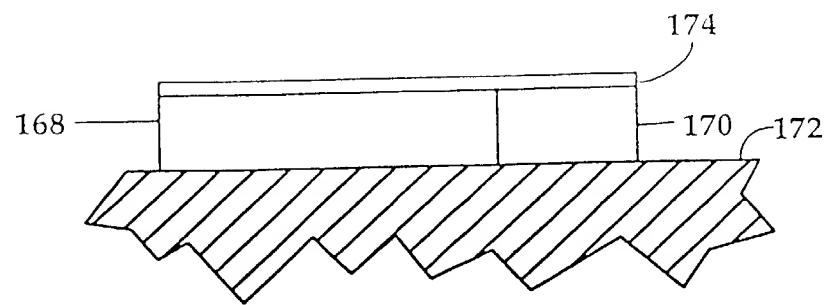
**Fig. 2**



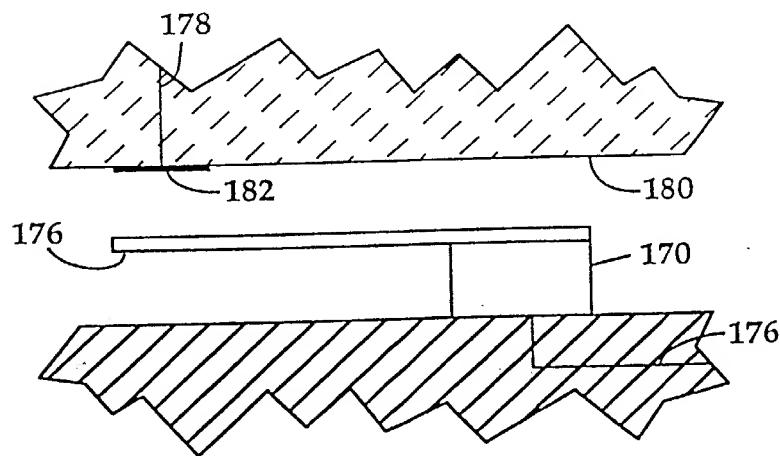
**Fig. 3A**



**Fig. 3B**



**Fig. 4 A**



**Fig. 4 B**

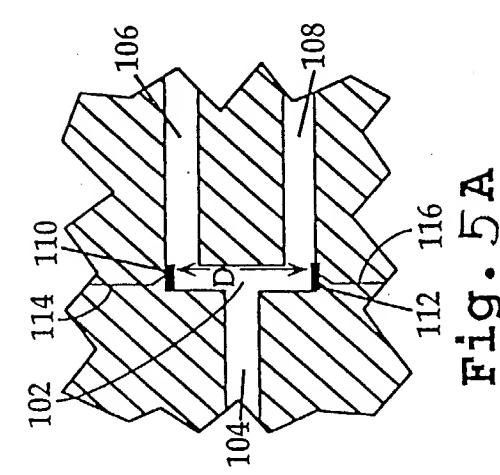


Fig. 5A

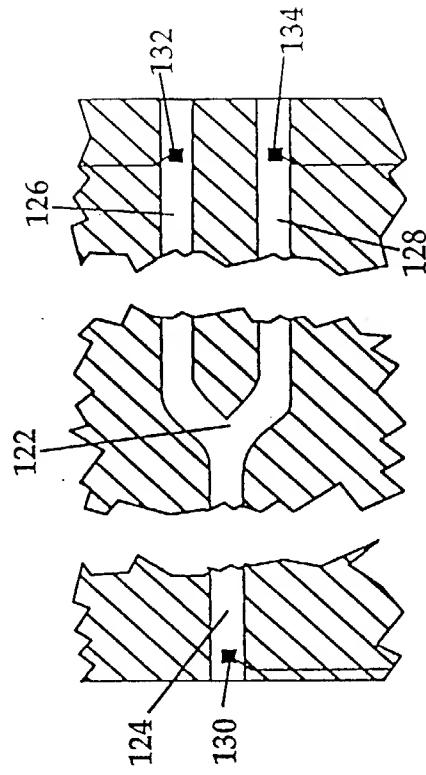


Fig. 5B

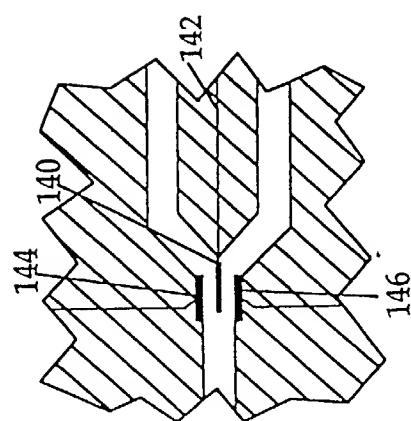


Fig. 5C

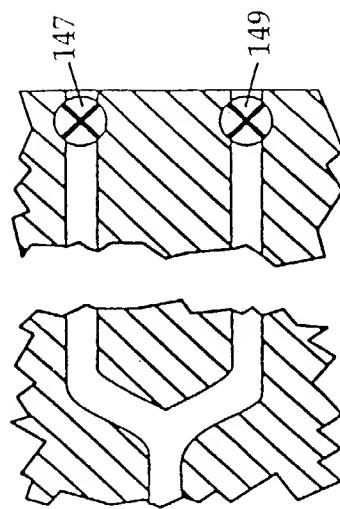


Fig. 5D

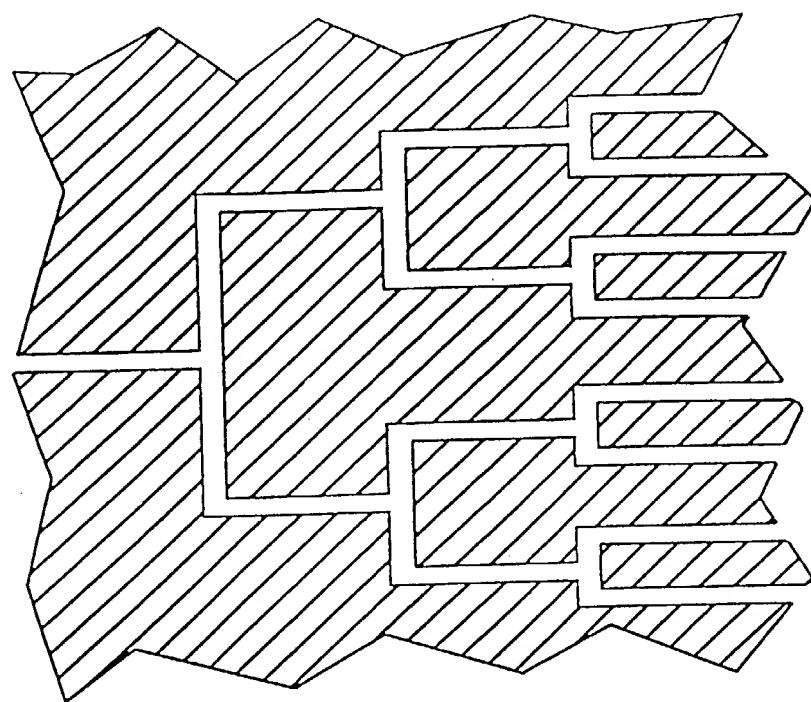


Fig. 6

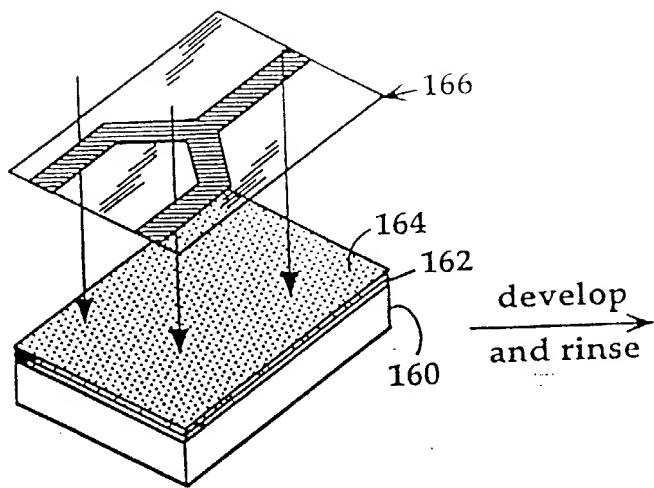


Fig. 7A

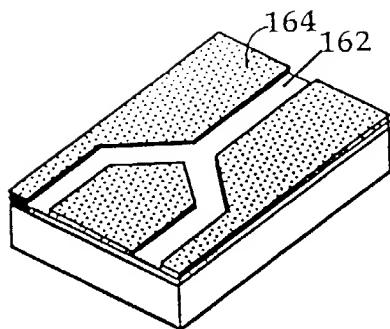


Fig. 7B

1. etch  $\text{SiO}_2$   
2. remove resist

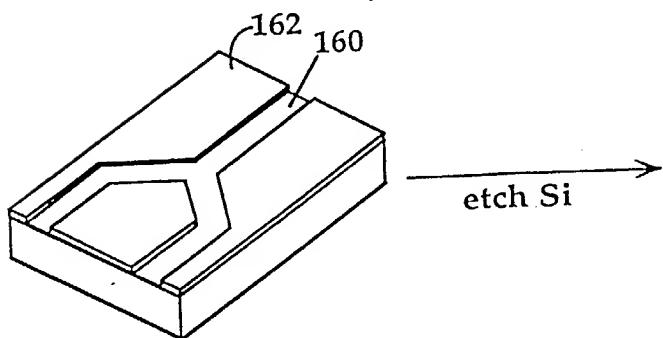


Fig. 7C

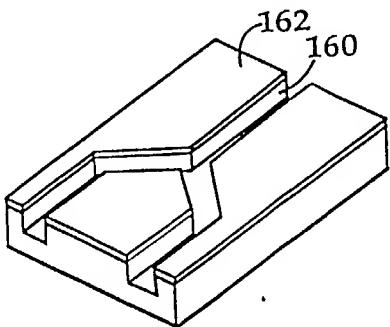


Fig. 7D

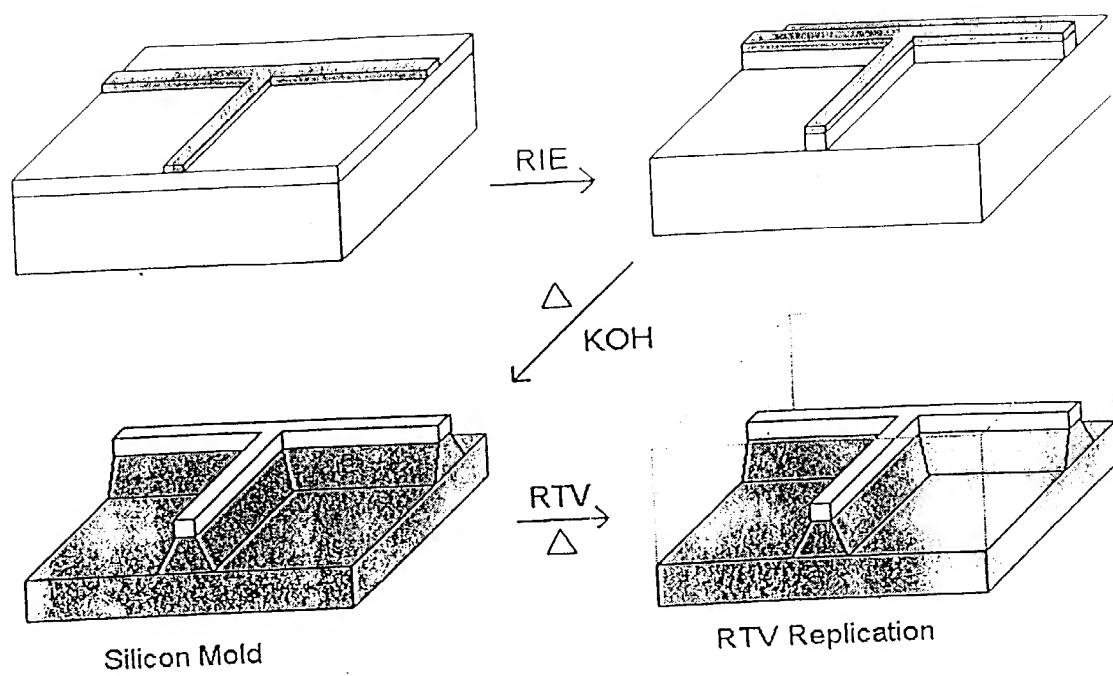


Fig. 8

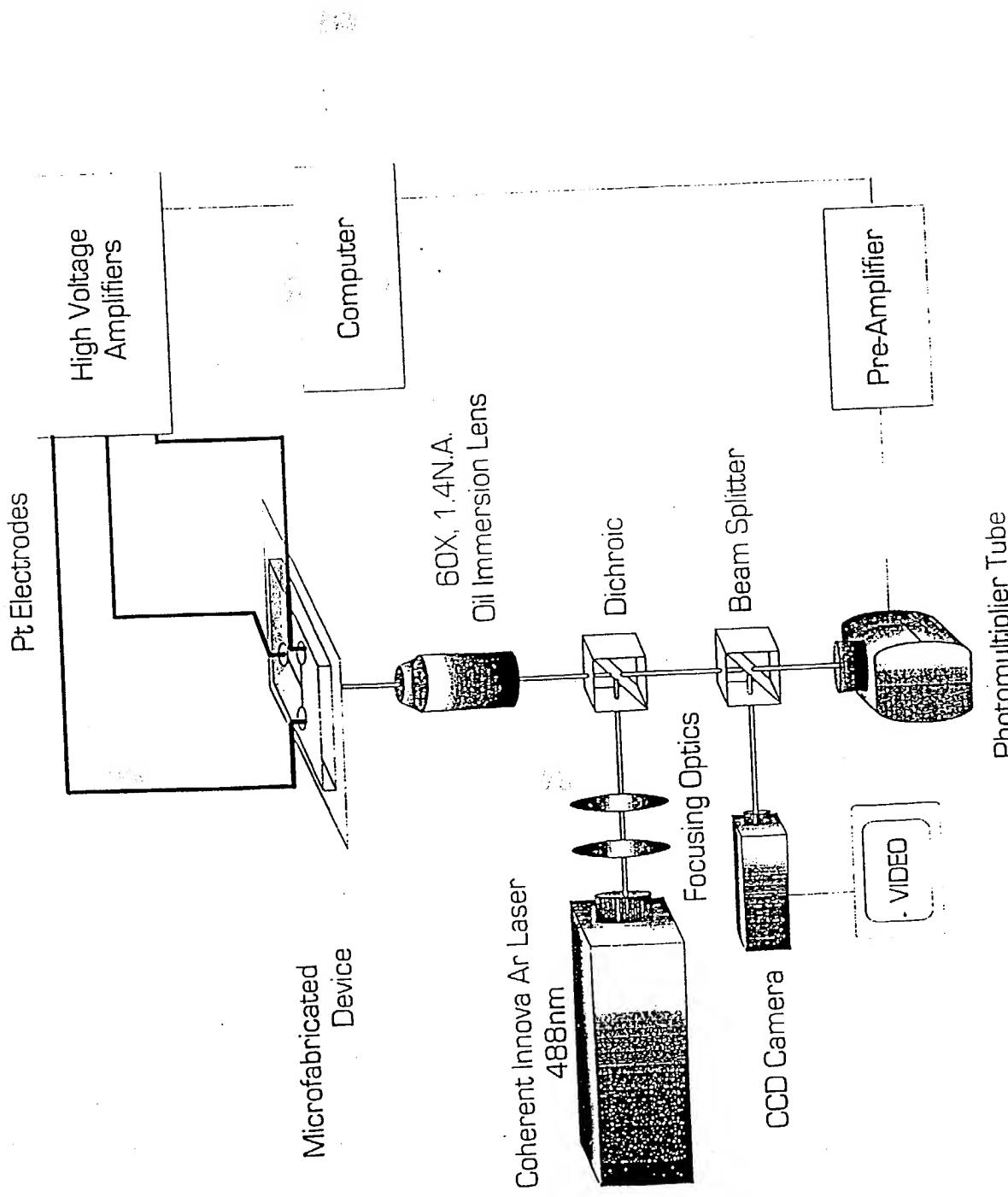


Fig 9

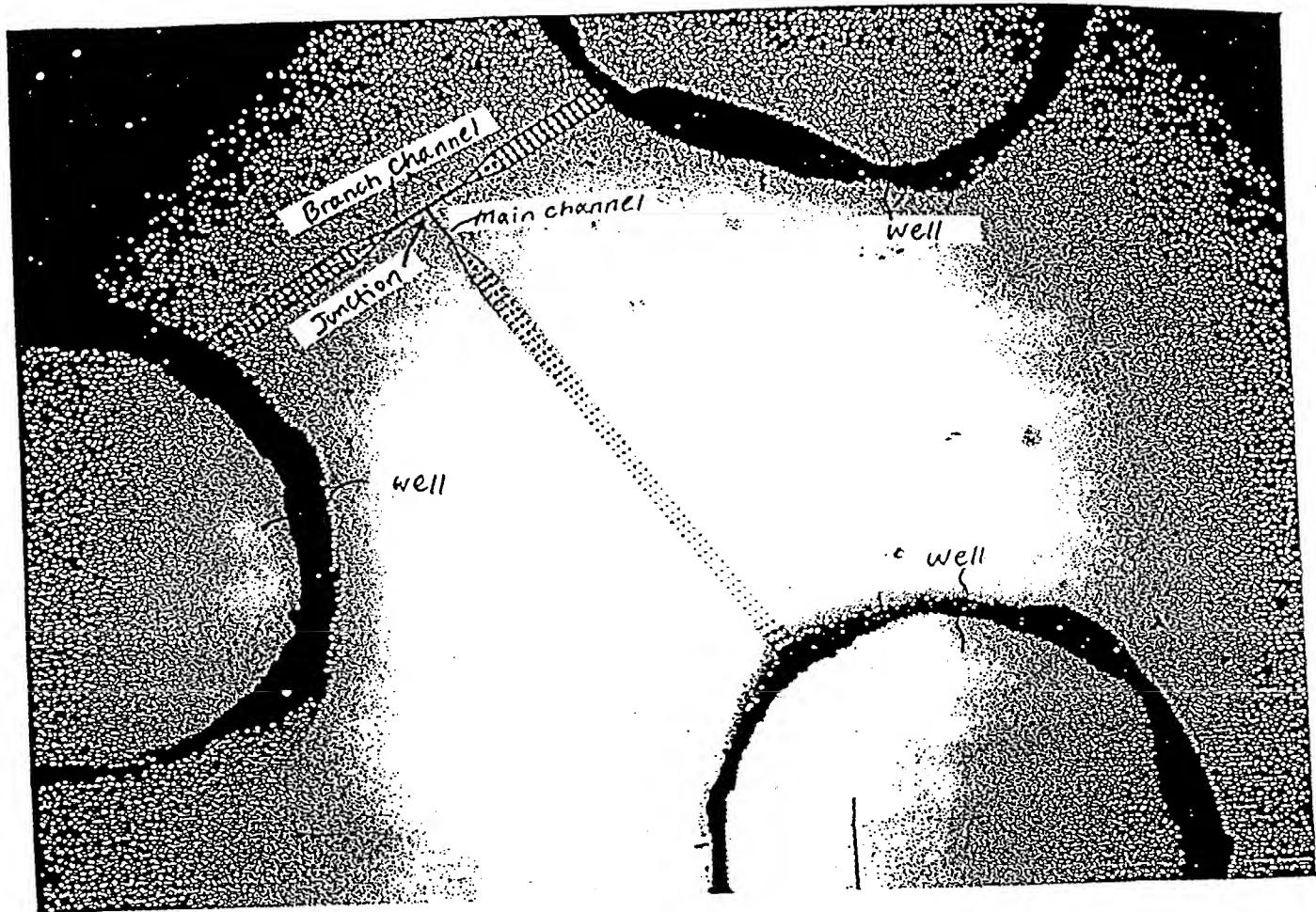


Fig 10

Fig. 11

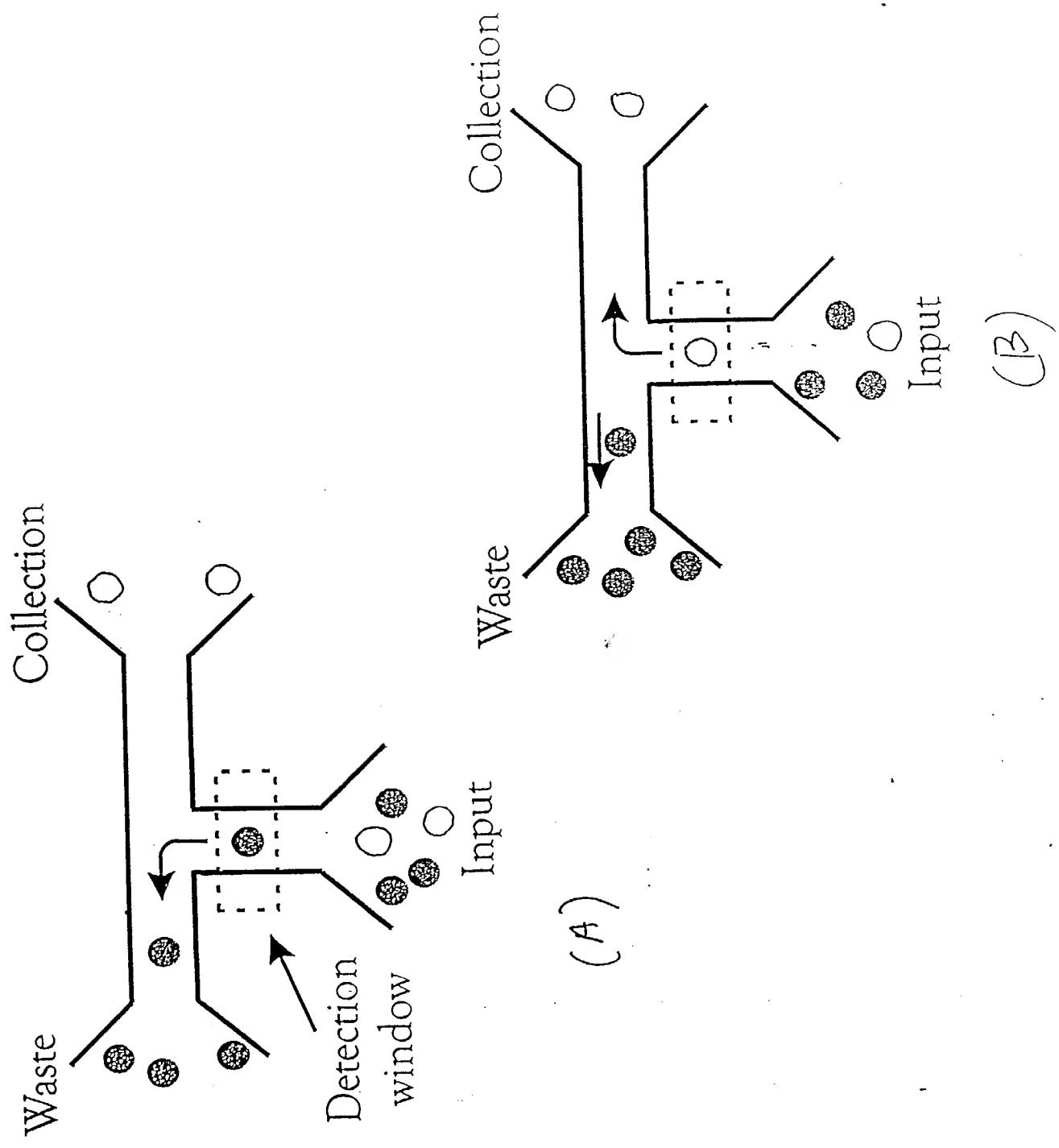
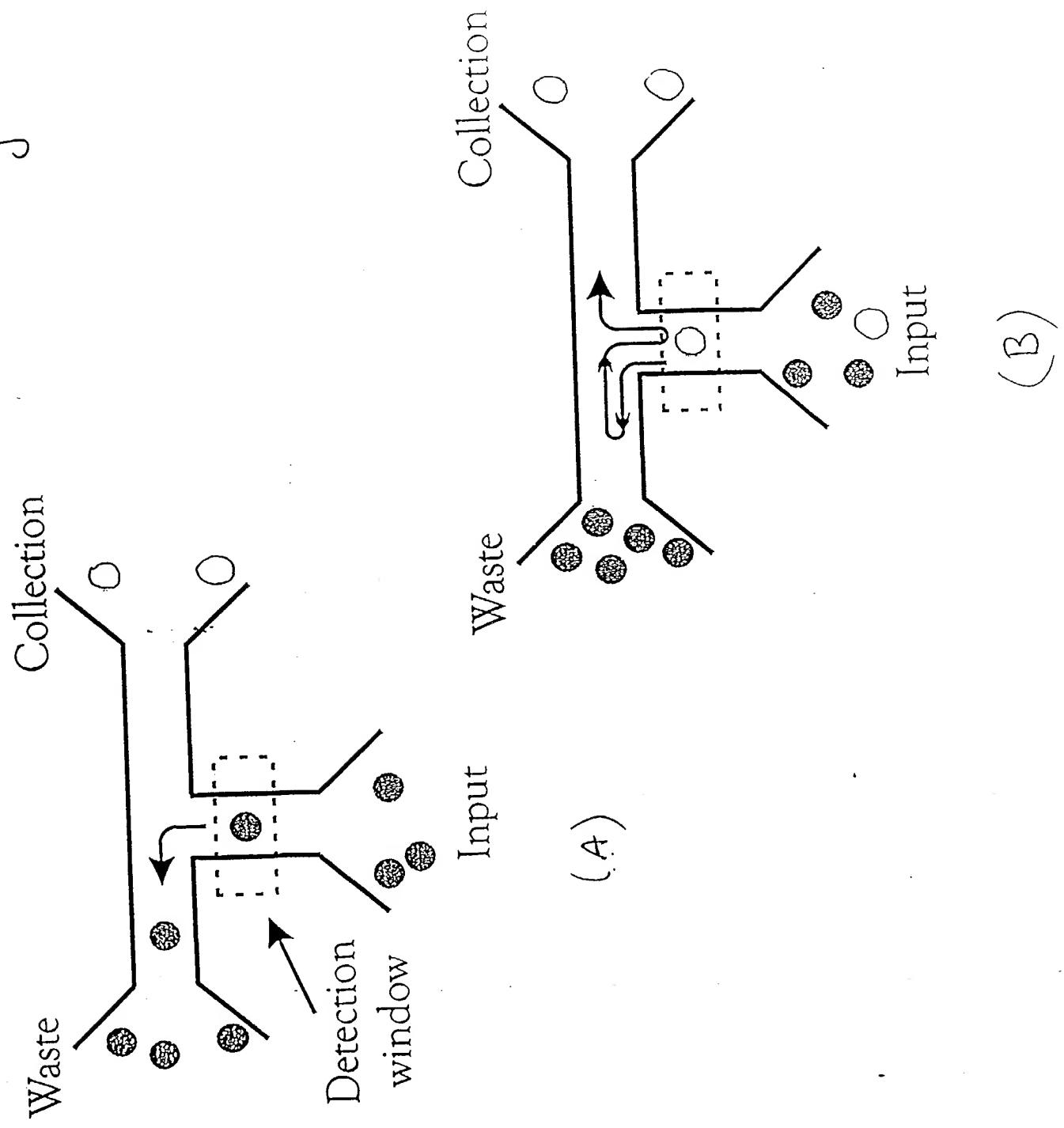


Fig 12



## T7 DNA/ T7 Primer

3.45mW laser power/ 2.450kV APD bias

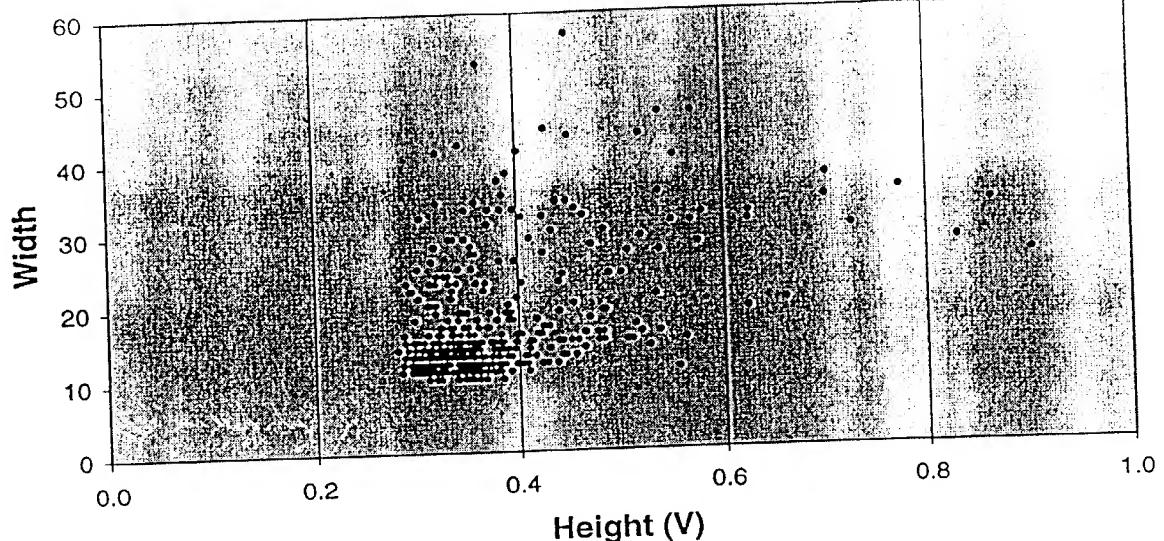


FIG. 13

## $\lambda$ DNA/ T7 Primer

3.35mW laser power/ 2.450kV APD bias

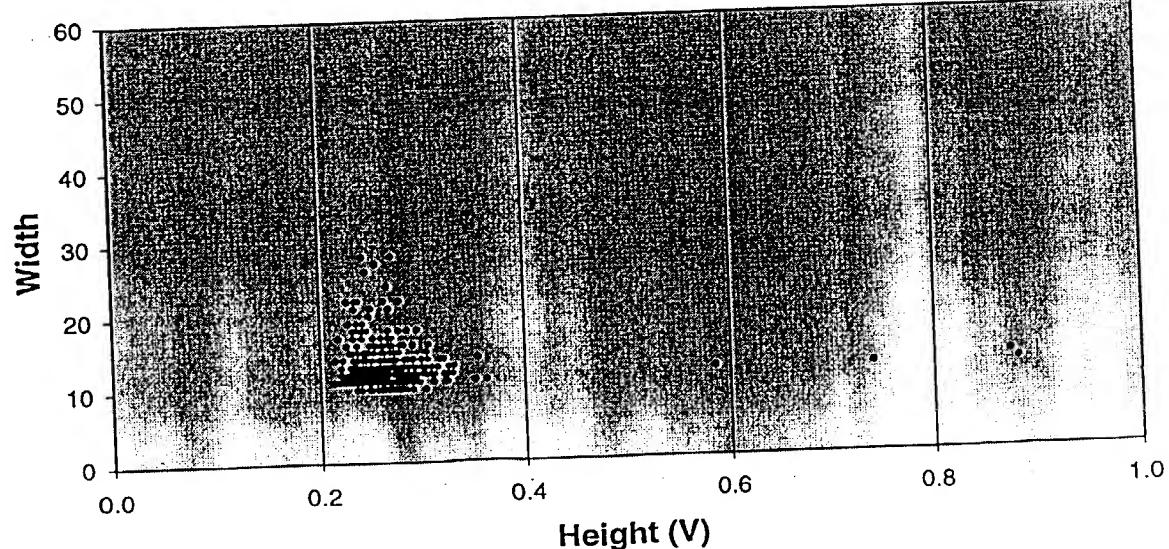
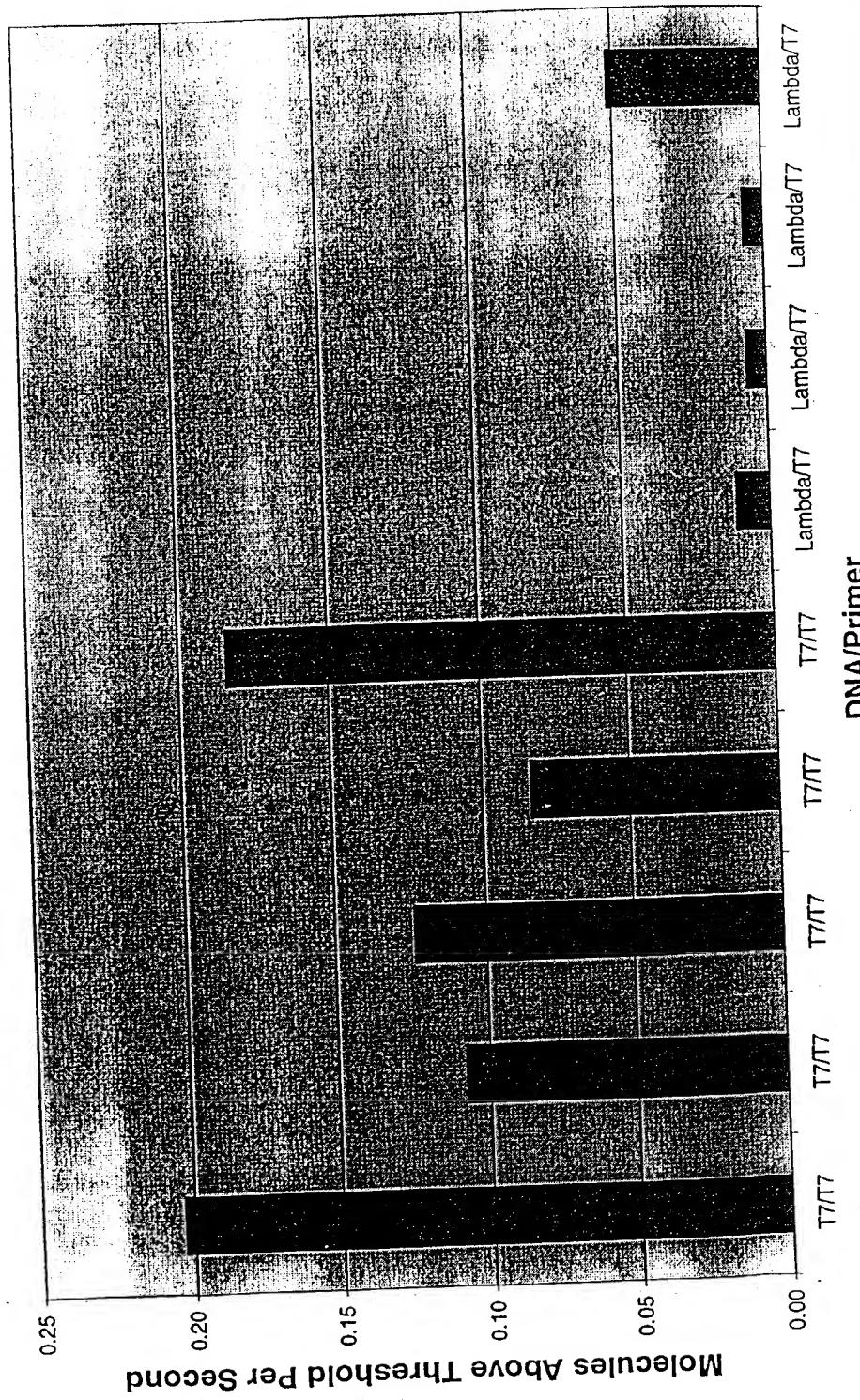


FIG. 14

# DNA/Primer Diagnosis

## Molecular Diagnostics



DNA/Primer

FIG. 15

CALTECH